We claim:

1. A manually-powered injection device for painless inter-muscular injection of an injectable liquid composition from with a reservoir, comprising:

- a) a housing having a base for semi-permanent attachment to the skin of a patient,
- b) an injection needle disposed substantially perpendicular to the base and within the housing, the needle having an injection end, and configured for axial movement manually between a first position wherein the injection end is within the housing and a second position wherein the injection end extends outwardly from the base to a distance sufficient for intramuscular insertion thereof, the injection needle having an outside diameter greater than 0.10 mm and less than about 0.38 mm,
  - c) a means for retaining a reservoir containing an injectable liquid composition,
- d) a means for providing liquid communication between the retained reservoir and the injection needle, and
- e) a means for injecting the injectable liquid composition from the retained reservoir through the needle.
- 2. The injection device of Claim 1 wherein the means for injecting is a manually-powered spring that is configured to exert pressure upon the injectable liquid composition within the retained reservoir.
- 3. The injection device of Claim 1, further comprising a needle insertion securement configured to retain the inserted needle in its second position while injecting the liquid composition.
- 4. The injection device of Claim 3 further comprising a means for retracting the injection needle, whereby the injection end of the needle can be retracted from its second position to a third position wherein the injection end of the needle is within the housing.
- 5. The injection device of Claim 3 further comprising a needle carriage to which the injection needle is affixed, the needle carriage being configured for axial movement

between a first position associated with the first position of the injection needle, and a second position associated with the second position of the injection needle, in response to a manual force applied by a person.

- 6. The injection device according to Claim 5 further comprising an implement for use in applying the manual force to the needle carriage.
- 7. The injection device according to Claim 5 wherein the needle insertion securement is configured to retain the needle carriage in its second position.
- 8. The injection device according to Claim 7, further comprising a retracting means comprising a disengagement means configured to disengage the needle insertion securement from the needle carriage, and a power means configured to bias the needle carriage to a third position that is associated with a third position of the injection needle wherein the injection end of the needle is within the housing.
- 9. The injection device according to Claim 1 wherein the device further comprises a separable base, a base securement means configured for separable securement of the separable base to the housing, and a base separation means configured for separation of the separable base from the housing, wherein the separable base comprising an adhesive for attachment thereof to the skin of the patient.
- 10. A manually-powered injection device for painless inter-muscular injection of an injectable liquid composition, comprising:
- a) a housing having a base for semi-permanent attachment to the skin of a patient,
- b) an injection needle disposed substantially perpendicular to the base and within the housing, the needle having an injection end, and configured for axial movement manually between a first position wherein the injection end is within the housing and a second position wherein the injection end extends outwardly from the base to a distance sufficient for intramuscular insertion thereof, the injection needle having an outside diameter greater than 0.10 mm and less than about 0.38 mm,
  - c) a reservoir containing an injectable liquid composition,

d) a means for liquid communication between the reservoir and the injection needle, and

- e) a means for injecting the liquid composition from the reservoir to the injection end of the needle.
- 11. The injection device of Claim 10 wherein the means for injecting is a manually-powered spring that is configured to exert pressure upon the injectable liquid composition within the retained reservoir.
- 12. The injection device of Claim 10, further comprising a needle insertion securement configured to retain the inserted needle in its second position while injecting the liquid composition.
- 13. The injection device of Claim 12 further comprising a means for retracting the injection needle, whereby the injection end of the needle can be retracted from its second position to a third position wherein the injection end of the needle is within the housing.
- 14. The injection device of Claim 12 further comprising a needle carriage to which the injection needle is affixed, the needle carriage being configured for axial movement between a first position associated with the first position of the injection needle, and a second position associated with the second position of the injection needle, in response to a manual force applied by a person.
- 15. The injection device according to Claim 14 further comprising an implement for use in applying the manual force to the needle carriage.
- 16. The injection device according to Claim 14 wherein the needle insertion securement is configured to retain the needle carriage in its second position.
- 17. The injection device according to Claim 16, further comprising a retracting means comprising a disengagement means configured to disengage the needle insertion securement from the needle carriage, and a power means configured to bias the needle

carriage to a third position that is associated with a third position of the injection needle wherein the injection end of the needle is within the housing.

- 18. The injection device according to Claim 14 wherein the needle carriage comprises threads, and the reservoir comprises cooperating threads that can engage and retain the threads of the reservoir.
- 19. The injection device according to Claim 18 wherein the reservoir comprises a penetrable membrane, wherein when the cooperating threads of the reservoir and the needle carriage are engaged, a piercing conduit in liquid communication with the injection needlecan penetrate the penetrable membrane to establish liquid communication between the reservoir and the injection needle.
- 20. The injection device according to Claim 10 wherein the device further comprises a separable base, a base securement means configured for separable securement of the separable base to the housing, and a base separation means configured for separation of the separable base from the housing, wherein the separable base comprising an adhesive for attachment thereof to the skin of the patient.